

## INDUSTRIAL TECHNOLOGY EDUCATION VOCATIONAL

### North Central Michigan College Transfer Guide

Minimum 122 Credit Hours Needed for Graduation; Teachable minor in Graphic Arts or Drafting required  
CUM GPA OF 2.5 REQUIRED FOR ADMISSION TO UPPER PROFESSIONAL LEVEL AND TO INTERN TEACH

GEN ED	PRE-REQUISITES	COURSES	TRAN/SUB/GRADE	CR HR
<b>REQUIRED COGNATE—DEPENDS ON MATH PLACEMENT</b>				
<b>Area VI</b>	MATH 1100/placement test	<b>PHYS 1070/1080</b> Elementary Physics and lab	PHY 210	5
<b>Total Credits (5 if needed)</b>				
<b>REQUIRED COURSES</b>				
	Select one	* <b>FCS 2140</b> Child Development <b>or</b> * <b>ED 2500</b> Human Development	PSY 255 or 261	3
<b>Area VII</b>	Select one	<b>AVS 2800</b> Transportation Technology <b>or</b> <b>EDMM 1220</b> Automobile in Society		3
<b>Proficiency 1</b>		* <b>ENGL 1050</b> Thought & Writing	ENG 111 or 112	4
		<b>FCS 1490</b> Design Com I: Architectural Drawing (f)		3
		<b>FCS 2400</b> Woodworking (sp odd years)		3
		<b>FCS 3530</b> Intro to Construction Environment (sp)		3
		<b>EDMM 1420</b> Engineering Graphics	ENGR 107	3
		<b>EDMM 1430</b> Product Design Fundamentals (f)		3
<b>Area VII</b>		<b>EDMM 1500</b> Intro to Manufacturing		3
	PHYS 1070/1080 w/"C" or better	<b>EDMM 2001</b> Applied Electricity & Electronics		3
	EDMM 1420	<b>EDMM 2460</b> Intro to CAD		3
	CHEM 1100/1110 recommended	<b>EDMM 2500</b> Plastics Properties & Processes		3
	EDMM 1500 recommended	<b>EDMM 2540</b> Machining Processes		3
<b>Total Credits (40)</b>				
<b>WORKFORCE EDUCATION AND DEVELOPMENT (WFED)</b>				
MUST BE ACCEPTED TO UPPER LEVEL (35 HOURS COMPLETED; MTTC PRE PASSED; BACKGROUND CHECK COMPLETED; 2.5 GPA; APPLICATION TO CEHD)				
	Admission to upper level	* <b>LS 3050</b> K-12 Content Literacy		3
<b>Proficiency 2</b>	Admission to upper level	<b>WFED 3050</b> Career and Employability Skills (fall only)		3
	56+ hours	<b>WFED 5100</b> Special Populations in Workforce Education & Development		3
	56+ hours	<b>WFED 5120</b> Principles of Workforce Education & Development		3
	56+ hours	<b>WFED 5130</b> Teaching Methods in Workforce Education & Development		3
	56+ hours	<b>WFED 5420</b> Curriculum Development in Workforce Education & Development		3
	WFED 5130; 5420 (both may be taken concurrently with WFED 3480)	<b>WFED 3480</b> Student Assessment & Management – <i>pre-internship experience in a school setting required (minimum one day per week)</i>		3
	All coursework must be completed	* <b>WFED 4100</b> Seminar in Education <b>WFED 4750</b> Intern Teaching in WFED		2 10
<b>Total Credits (33)</b>				

\*Requires "C" grade or better

Minor:  Graphic Arts       Drafting

Career and Technical Education minors in Graphic Arts or Drafting require 4000 hours of recent and relevant work experiences for vocational endorsement.

See [Verification of Work Experience form](#)